

ORGANIC ELECTROLUMINESCENCE ELEMENT

Patent number: JP2002069044
Publication date: 2002-03-08
Inventor: HOSOKAWA CHISHIO; IWASUMI TOSHIHIRO
Applicant: IDEMITSU KOSAN CO
Classification:
- international: **C07C13/62; C07C211/61; C09K11/06; H05B33/14; H05B33/22; C07C13/00; C07C211/00; C09K11/06; H05B33/14; H05B33/22; (IPC1-7): C07C211/61; C07C13/62; C09K11/06; H05B33/14; H05B33/22**
- european:
Application number: JP20000255141 20000825
Priority number(s): JP20000255141 20000825

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Abstract of JP2002069044

PROBLEM TO BE SOLVED: To provide an organic electroluminescence element having a high heat resistance, and high luminous efficiency, and further to provide a new hydrocarbon compound usable for achieving the element. **SOLUTION:** This new hydrocarbon compound is represented by the general formula (1): $Xn-Ar1$, wherein, $Ar1$ is a substituted or unsubstituted 6-40C aromatic ring group, a substituted or unsubstituted 6-40C arylamino group, a substituted or unsubstituted 6-60C diaminoaryl group, a substituted or unsubstituted 6-60C triaminoaryl group, a substituted or unsubstituted 3-40C heterocyclic group or a substituted or unsubstituted ethenylene; X is a monovalent group having a fluoranthene structure; and n is an integer of 2-4. The organic electroluminescence element has at least one layer of an organic compound layer having a luminous layer, containing the new hydrocarbon compound.

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